

Amendments to the Specification

Please replace the paragraph that begins on page 15, line 11, with the following amended paragraph:

21 The spiral profile also includes a "post-write pad portion," which allows for a settle time after the "write portion." The spiral profile yet further includes a ~~re-trace~~ "re-trace portion," to specify the manner by which the transducer is to return near its starting point, so that the next spiral servo pattern may be written. Preferably, the transducer returns to its starting point as quickly as possible in a manner consistent with available maximum energy and system component characteristics. Finally, the special profile includes a "post-re-trace pad portion," which allows for a settle time after the "re-trace portion" and which allows for any special processing requirements.

Please replace the paragraph that begins on page 15, line 19, with the following amended paragraph:

22 **Figure 12** is a diagrammatic representation illustrating acceleration and position curves relative to interrupts for one embodiment of a spiral profile. In **Figure 12**, a one-to-one relation exists between the number of interrupts and the predetermined number of servo samples. For illustrative purposes, eight spirals are to be written (i.e., there are eight servo samples per revolution and, hence, eight interrupts per revolution); however, in practice, many more spirals would be written (e.g., 160 spirals).
